

practiced since the dawn of civilization in Mesopotamia, in Egypt, and in northwestern India." Jethro Tull, who in 1731 published an "agricultural classic" on the "new horse-hoeing husbandry" is called the father of the new method, although his theory, that "tillage is manure" is not, of course, accepted now.

The book describes clearly dry farming as it is followed in various parts of the United States, with rules for successful practice, results that may be expected, and modifications in methods and results based upon the kind of soil, the depth of the water table, the size of the farm, and the climatic belt in which the farm is situated. The effects of different tools and implements used in tillage and the seasonal phases of dry-farming are also included. The book is elementary and simple enough for a high school boy, and yet wholly readable to any older person who thinks of dry-farming vaguely as a sudden and mysterious discovery of the "Golden West" which enables farmers to raise plants without water.

JEAN BROADHURST

FIELD MEETINGS FOR 1910

The meetings for May are published in the Bulletin of the Academy of Sciences.

June 4.—New Rochelle, N. Y. Train leaves 129th Street and Third Avenue (N. Y., New Haven, and Hartford R. R., Harlem River branch) at 12.20 P. M. Returning trains leave at 4.00 and 5.00 P. M. Cost of trip about 25 cents. Guide, Miss Levy, who will meet the party at New Rochelle.

June 11.—West Englewood, N. J. Train leaves foot West 42nd Street (West Shore R. R.) at 1.15 P. M. A special study of swamp ferns will be conducted by the guide, Dr. Dowell, who will meet party at West Englewood. Buy return ticket. Cost of trip about 45 cents.

June 18.—Moonachie, N. J. Party will meet at the Rutherford Trolley, Hoboken, N. J., at 1.30 P. M., where they will be met by the guide, Mr. G. V. Nash.

June 25.—Springfield, L. I. A special study of the relation of insects to plants. Train leaves foot east 34th Street (Long Island R. R.) at 1.10 P. M. Returning trains leave at 4.46 and 5.45 P. M. Cost of trip about 70 cents. Guide, Dr. Southwick.

July 2-9. — The 1910 Symposium will be held in conjunction with the Philadelphia Botanical Club at Farmingdale, Monmouth Co., N. J. It will open at 8 P. M. on Saturday, July 2, with a discussion of the geological features and other points of interest at Farmingdale. Headquarters for the week will be at the American Hotel (rates two dollars a day, by the day; or ten dollars a week). Members are requested to make their own arrangements, and this should be done early as the accommodations are limited. A convenient train for the New York contingent leaves foot of Liberty Street (Central R. R. of N. J.) at 6.20 P. M. and arrives at Farmingdale in time for the opening of the symposium. Guide, Mr. Stewardson Brown.

July 16. — Great Kills, Staten Island. Buy return ticket at municipal ferry, foot of Whitehall Street, Manhattan. The guide, Dr. Hollick, will meet the party which arrives at St. George on the 9.00 A. M. boat from N. Y. Cost of trip about 40 cents.

July 23. — A study of medicinal flowers, leaves, and fruits at Moshulou, N. Y. City. Train leaves 155th Street and Eighth Avenue (Putnam Div. N. Y. Central) at 1.02 P. M. Returning trains leave at 4.37 and 5.13 P. M. Guide, Dr. Mansfield.

July 30. — Douglaston, L. I. Train leaves foot East 34th Street (Long Island R. R.) at 1.00 P. M. Returning trains leave at 4.05 and 5.00 P. M. Cost of trip about 50 cents. Guide, Mr. E. N. E. Klein.

August 6. — Special excursion for fungi to Cold Spring, L. I. Train leaves foot East 34th Street (Long Island R. R.) at 9.00 A. M. Returning trains leave at 4.49 and 6.51 P. M. Cost of trip about two dollars. Guides, Mr. Seaver and Mr. Dodge.

Members of the club are urged to verify the train times given above. In case of change it is understood that the train leaving nearest the advertised time will be the one used.

The chairman of the committee regrets that owing to unavoidable circumstances the determinations for the specimens collected on last year's field trips will have to be delayed.

The Field Committee,
 NORMAN TAYLOR,
Chairman